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TO: Commissioner For Patents

FAX NO.: (571) 273-8300

FROM: Kevin E. Borg

USER ID: 8132

CLIENT: 1772

MATTER: 17475US02

Number of Pages This Transmission (Including Cover Page): 6

I hereby certify that the attached Transmittal Form, Statement Under 37 CFR 3.73 (b), Power of Attorney and Executed Assignment from Athena Semiconductors to Broadcom Corporation (including Exhibit A) are being facsimile transmitted to the United States Patent and Trademark Office.

K. E. Borg June 21, 2006  
Kevin E. Borg Date  
Reg. No. 51,486

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PTO/SB/21 (09-04)  
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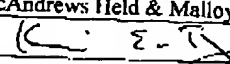
<b>TRANSMITTAL FORM</b>		<b>Application Number</b>	
(to be used for all correspondence after initial filing)		10/773,610	
		<b>Filing Date</b>	
		February 6, 2004	
		<b>First Named Inventor</b>	
		Akira Yamanaka	
<b>Art Unit</b>		2681	
<b>Examiner Name</b>		Not yet assigned	
<b>Attorney Docket Number</b>		17475US02	
<b>Total Number of Pages In This Submission</b>		5	

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**ENCLOSURES (check all that apply)**

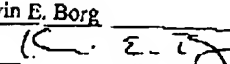
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Return-Receipt Postcard <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Statement Under 37 CFR 3.73 (b) and Copy of Executed Assignment (including Exhibit A) from Athena Semiconductors, Inc. to Broadcom Corporation
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm	McAndrews Held & Malloy, Ltd.
Signature	
Printed Name	Kevin E. Borg Reg. No. 51,486
Date	June 21, 2006

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 21, 2006.

Name (Print/type)	Kevin E. Borg	Registration No. (Attorney/Agent)	51,486
Signature		Date	June 21, 2006

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PTO/SB/98 (12-05)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Akira Yamanaka, Anand Shah**RECEIVED**  
**CENTRAL FAX CENTER**Application No./Patent No./Control No.: 10/773,610 Filed/Issue Date: February 6, 2004**JUN 21 2006**Entitled: Method And System For Equalization In A Communications SystemBroadcom Corporation

(Name of Assignee)

, a corporation

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

In the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame \_\_\_\_\_, or a true copy of the original assignment is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: A. Yamanaka; A. ShahTo: Athena Semiconductors, Inc.The document was recorded in the United States Patent and Trademark Office at Reel 014813, Frame 0774, or for which a copy thereof is attached.2. From: Athena Semiconductors, Inc.To: Broadcom Corporation

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_

To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Kevin E. Borg  
Signature

Kevin E. Borg

Printed or Typed Name

Attorney/Agent of Record

Title

June 21, 2006

Date

312-775-8000

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JUN 21 2006


This Assignment is made and effective as of the 5<sup>th</sup> day of October, 2005, by ATHENA SEMICONDUCTORS, INC., a company organized and existing under the laws of Delaware (hereinafter referred to as the "ASSIGNOR"), and BROADCOM CORPORATION, a company organized and existing under the laws of California (hereinafter referred to as the "ASSIGNEE").

ASSIGNOR was the surviving corporation in a merger between the ASSIGNOR and ASTATINE ACQUISITION CORP., a Delaware corporation, and is the owner of the entire right, title and interest in and to the United States Patents and Patent Applications listed in Exhibit A (hereinafter collectively referred to as the "Assigned Patents and Patent Applications").

In consideration of good and valuable considerations, the receipt and sufficiency whereof are hereby acknowledged, ASSIGNOR hereby assigns to ASSIGNEE, its successors and assigns, the entire right, title and interest in the invention or improvements disclosed in the Assigned Patents and Patent Applications, both United States and foreign, which either ASSIGNOR has filed or ASSIGNEE may file, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, re-examination, reissue or extension of such applications or patents, and further assigns to said assignee the priority right provided by the International Convention. This assignment shall specifically include, without limitation, rights to collect damages and payments for past, present or future infringements or misappropriations of any Assigned Patent or Patent Application, if applicable.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

WITNESS my hand this 22<sup>nd</sup> day of May, 2006

By: 

Dee Henderson

Senior Manager Intellectual Property Administration

Title: \_\_\_\_\_

**EXHIBIT A**

Assigned Patents

7,012,473

6,909,292

Assigned Patent Applications

10/774,116

11/103,329

10/773,610

10/773,804

10/654,199

10/623,097

09/911,764

10/286,660

10/347,056

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Approved for use through 11/30/2005. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO**

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with Customer Number:

23,446

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number

23,446

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

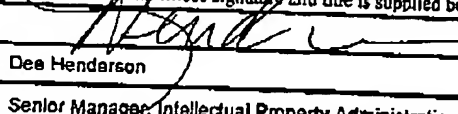
Assignee Name and Address:

Broadcom Corporation  
16215 Alton Parkway  
P.O. Box 57013  
Irvine, CA 92619-7013

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

**SIGNATURE of Assignee of Record**

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	1/24/06
Name	Dee Henderson	Telephone	(949) 926-5958
Title	Senior Manager, Intellectual Property Administration		

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
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